



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kenichi ISHIDA et al.

Attorney Docket Number: 107101-00038

Serial Number: 10/022,869

Confirmation Number: 6259

Filed: December 20, 2001

Group Art Unit: 3747

For: MISFIRE DETECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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APR 12 2004

Date: April 8, 2004

Sir:

TECHNOLOGY CENTER R3700

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information items listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the items be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☐ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☒ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- ☐ c. Check number _____ in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicants hereby petition that the Information Disclosure Statement be considered. Attached is our check number _____ in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account Number 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☒ 4. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Respectfully submitted,



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Enclosures: Form PTO-1449
European Search Report
References (4)

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

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SERIAL NUMBER

10/022,869

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Kenichi ISHIDA et al.

FILING DATE

December 20, 2001

GROUP ART UNIT

3747

U.S. PATENT DOCUMENTS

EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA		5,337,716	August 16, 1994	Wataru FUKUI et al.			January 27, 1993
AB		5,778,855	July 14, 1998	Michael Damian CZEKALA et al.			July 3, 1997
AC							
AD							
AE							
AF							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
							YES	NO	PART.
AG		WO 99/31384	June 24, 1999	International					X
AH		08200196	August 6, 1996	Japan					X
AI									
AJ									
AK									
AL									

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	
AN	<div>RECEIVED</div> <div>APR 12 2004</div>
AO	TECHNOLOGY CENTER R3700

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Europäisches Patentamt

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Département à
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recherche

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Patentanwälte
Datum/Date

20.02.04

Zeichen/Ref./Réf. 27007P EP	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 01130308.8-1263-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Honda Giken Kogyo Kabushiki Kaisha	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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→ EP.A61
R

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 13 0308

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
R1 X	US 5 778 855 A (CZEKALA MICHAEL DAMIAN ET AL) 14 July 1998 (1998-07-14) * abstract; figures 1,2 * * column 1, line 33 - column 3, line 26 *	1-6	F02P17/12G01M15/0
R2 X	US 5 337 716 A (FUKUI WATARU ET AL) 16 August 1994 (1994-08-16) * the whole document *	1-6	
R3 X	WO 99 31384 A (WILSTERMANN HARTUNG ;DAIMLER BENZ AG (DE); HOHNER PETER (DE); BERT) 24 June 1999 (1999-06-24) * abstract * * page 3, line 15 - page 4, line 15 * * page 8, line 36 - page 10, line 8 *	1-6	
R4 X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) & JP 08 200196 A (HITACHI LTD), 6 August 1996 (1996-08-06) * abstract *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F02P
Place of search		Date of completion of the search	Examiner
THE HAGUE		12 February 2004	Nicolás, C
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 13 0308

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-02-2004

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US 5778855	A	14-07-1998	DE	19829001 A1	07-01-1999
			GB	2328283 A , B	17-02-1999
			JP	11072076 A	16-03-1999
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			JP	2843221 B2	06-01-1999
			JP	5280411 A	26-10-1993
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			DE	19755256 A1	24-06-1999
			WO	9931384 A1	24-06-1999
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